

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

1727 30th Street MS-43

P.O. BOX 168041

SACRAMENTO, CA 95816-8041

FAX (916) 227-6214

TTY 711

*Flex your power!
Be energy efficient!*

November 17, 2011

10-Sac,SJ,Sol-5, 12-Var

10-0A8404

Project ID 1000000010

ACNH-000C(348)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SACRAMENTO, SAN JOAQUIN, AND SOLANO COUNTIES ON ROUTES 5 AND 12 AT VARIOUS LOCATIONS.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Wednesday, December 7, 2011, instead of the original date of Wednesday, November 30, 2011.

This addendum is being issued to change the bid opening date as shown herein, revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, the Federal Minimum Wages with Modification Number 33 and 39 dated 11/04/2011, and provide a copy of the revised cross sections.

Project Plan Sheets 1, 6, 17, 34, 35, 46, 47, 52, 53, 54, 57, 58, 59, 60, 61, 62, 63, 136, 140, 141, 142, 144, 146, 150 and 158 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheet 140A is added. A copy of the added sheet is attached for addition to the project plans.

Project Plan Sheet 56 is deleted.

In the Notice to Bidders and Special Provisions, in the "STANDARD PLANS LIST," the following Standard Plans are added:

"S8, S109, S110, S111, S112, S113, S114, S115, S116, S128, S129, S130, S131, S132, S133, S134, S135, S140, S141 and S142."

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In the Special Provisions, Section 5-1.12, "SUPPLEMENTAL PROJECT INFORMATION," is revised as attached.

In the Special Provisions, Section 10-1.44, "PILING," subsection "GENERAL," the following paragraph is added after the first paragraph:

"Concrete for cast-in-place concrete piling shall be prequalified in conformance with the provisions in Section 9-9, "Comprehensive Strength," of the Standard Specification."

In the Special Provisions, Section 10-1.535, "AUTOMATIC DRAINAGE GATE," is added as attached.

In the Special Provisions, Section 10-3.15, "MICROWAVE VEHICLE DETECTION SYSTEM-SIDE FIRE," subsection "FUNCTIONAL REQUIREMENTS," the last sentence of the first paragraph is revised as follows:

"The EIA 232 output of the MVDS surge protection module shall be connected to the EIA 232 input of a wireless modem as shown on the plans."

In the Special Provisions, Section 10-3.16, "PHOTOVOLTAIC POWER SUPPLY," subsection "PHOTOVOLTAIC PANELS," is revised as attached.

In the Special Provisions, Section 10-3.23, "HIGHWAY ADVISORY RADIO SYSTEM," subsection "TRANSMITTERS," subsection "Transmitter Station," the second paragraph is revised as follows:

"The operating frequency of the transmitter shall be 530 kHz as shown on the plans."

In the Bid book, in the "Bid Item List," Items 63, 65, 66, 67, 72, 73, 78, 79, 83 and 85 are revised, Items 114, 115 are added and Items 62, 113 are deleted as attached.

To Bid book holders:

Replace pages 6, 7 and 8 of the "Bid Item List" in the Bid book with the attached revised pages 6, 7 and 8 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

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This addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/10/10-0A8404

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,



FOR

REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

5-1.12 SUPPLEMENTAL PROJECT INFORMATION

The Department makes the following supplemental project information available:

Supplemental Project Information

Means	Description
Included in the Information Handout	1602 Streambed Alteration Agreement, 404 Individual Permit, 401 Water Quality Certification, US Fish and Wildlife Service (Biological Opinion), Geotechnical Design Report for EA0A840K, dated 5/9/08, Supplemental geotechnical design report, dated 4/2/10
Available as specified in the Standard Specifications	Bridge as-built drawings
Available at: http://www.dot.ca.gov/hq/esc/oe/weekly_ads/index.php	Revised Cross sections

10-1.535 AUTOMATIC DRAINAGE GATE

Automatic drainage gates shall conform to the provisions in Section 70, "Miscellaneous Facilities," of the Standard Specifications and these special provisions.

The gates shall be designed to operate under 10 feet of head face pressure measured from the center of the gate cover to the highest water level. The gate shall provide a free outflow, but shall prevent backflow. The gate shall be attached to the required pipe size or anchored to a concrete wall.

The gate shall be complete with cover, spigot-back seat, gate links, bushings, bolts, and nuts.

The gate cover and spigot-back seat shall be manufactured of cast iron conforming to the requirements in ASTM Designation: A 126, Class B. The gate links shall be manufactured of steel conforming to the requirements in ASTM Designation: A 36/A 36M. The bushings shall be manufactured of commercial quality bronze. The assembly bolts, or anchor bolts when required, and nuts shall conform to the requirements in ASTM Designation: A 307, Grade A. The gate links, bolts, and nuts shall be galvanized in conformance with the requirements in ASTM Designation: A 153.

The gate cover shall be ribbed or domed and of ample section to withstand the face pressure. The seating surfaces of the cover and spigot-back seat shall be machined or ground to fit together within a tolerance of not more than 0.004-inch throughout the circumference of the seating surfaces.

The gate cover shall be hinged from the spigot-back seat by 2 supporting links, one on each side of the gate, pivotally connected at the top of the seat and at the bottom to the cover above the center of gravity. Bushings of suitable length and diameter shall be provided at the 4 hinge points.

The gate shall be assembled in the shop and cast iron parts shall be given a shop coat of commercial quality asphaltic paint furnished by the manufacturer.

The cover of the gate, when installed, shall fit tight against the seat when there is no pressure on the cover face.

The cover shall be equipped with an eye bolt at the bottom for opening the gate under pressure.

PHOTOVOLTAIC PANELS

Each photovoltaic (PV) panel shall meet the following requirements:

Parameter	Minimum Requirements
Peak Power Output *	80 +10% /- 5% watts **
Voltage at Maximum Power	17.6 V(dc) **
Current at Maximum Power	4.5A **
Weight	18.0 lbs**
Dimensions	As shown on the plans
Hailstone Impact Resistance	1" diameter at 50 mph
Operating Temperature Range	-10 to +65° C minimum range

* Standard Test Conditions identified a: Irradiance = 93 W/square foot, cell temperature = 25° C, solar spectral irradiance per ASTM E892 (air mass = 1.5)

** Minimum Requirements are based on a 80 watt PV panel. Higher wattage PV panels up to and including peak power output of 100 watts are acceptable. The PV panels shall contain single crystal or multi crystal technology for greatest efficiency and longest life. The cells shall be textured and coated with an anti reflective film. These cells shall be provided with multiple redundant contacts and shall be electrically matched for increased efficiency. A rugged aluminum vented backing shall be riveted to a aluminum panel equipped with welded aluminum brackets for attachment to the bracket arm. The PV panel assembly shall pass salt tests to Mil-standard 810 and the panel assembly shall provide electrical grounding of all metal surfaces. The PV panel shall carry a minimum 20 year power warranty. Stainless steel hardware shall be used.

BID ITEM LIST

10-0A8404

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	397005	TACK COAT	TON	39		
62	BLANK					
63 (F)	510092	STRUCTURAL CONCRETE, HEADWALL	CY	67		
64 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	2.5		
65 (F)	520101	BAR REINFORCING STEEL	LB	3,082		
66 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	48,872		
67 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	48,872		
68	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	230		
69	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	230		
70	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	22		
71	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	12		
72	561011	48" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	50		
73	561016	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	54		
74	566011	ROADSIDE SIGN - ONE POST	EA	47		
75	568017	INSTALL ROADSIDE SIGN PANEL ON EXISTING POST	EA	1		
76	620100	18" ALTERNATIVE PIPE CULVERT	LF	140		
77	620140	24" ALTERNATIVE PIPE CULVERT	LF	60		
78	620220	36" ALTERNATIVE PIPE CULVERT	LF	150		
79	620380	60" ALTERNATIVE PIPE CULVERT	LF	610		
80	665037	36" CORRUGATED STEEL PIPE (.109" THICK)	LF	220		

BID ITEM LIST

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	682020	CLASS 1 PERMEABLE MATERIAL	CY	12,900		
82	698060	12" ALTERNATIVE PIPE DOWNDRAIN	LF	50		
83	705311	18" ALTERNATIVE FLARED END SECTION	EA	4		
84	705315	24" ALTERNATIVE FLARED END SECTION	EA	2		
85	705321	36" ALTERNATIVE FLARED END SECTION	EA	1		
86	721007	ROCK SLOPE PROTECTION (1/4 TON, METHOD B)	CY	75		
87 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	239		
88	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	1,380		
89	820107	DELINEATOR (CLASS 1)	EA	97		
90	820110	MILEPOST MARKER	EA	1		
91	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	1,340		
92	839541	TRANSITION RAILING (TYPE WB)	EA	2		
93	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	3		
94	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	12		
95	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	34,500		
96	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	3,110		
97	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	3,550		
98	840523	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	250		
99	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	3,450		
100	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	37,500		

BID ITEM LIST

10-0A8404

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	842000	PARKING BUMPER (PRECAST CONCRETE)	EA	150		
102	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1,670		
103	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
104	860407	LIGHTING (PARKING LOT)	LS	LUMP SUM	LUMP SUM	
105	860504	EXTINGUISHABLE MESSAGE SIGN SYSTEM	LS	LUMP SUM	LUMP SUM	
106	860520	HIGHWAY ADVISORY RADIO SYSTEM	LS	LUMP SUM	LUMP SUM	
107	860530	CHANGEABLE MESSAGE SIGN SYSTEM	LS	LUMP SUM	LUMP SUM	
108	860812	MICROWAVE VEHICLE DETECTION SYSTEM	LS	LUMP SUM	LUMP SUM	
109	020968	VEHICLE CLASSIFICATION STATION	LS	LUMP SUM	LUMP SUM	
110	860990	CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
111	861503	MODIFY LIGHTING	LS	LUMP SUM	LUMP SUM	
112	020969	WEATHER MONITORING STATION	LS	LUMP SUM	LUMP SUM	
113	BLANK					
114	705500	AUTOMATIC DRAINAGE GATE	EA	1		
115	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

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